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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,685	08/26/2003	Joshy Joseph	POU920030043US1	3776

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EXAMINER

SEYE, ABDOU K

ART UNIT	PAPER NUMBER
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2194

DATE MAILED: 09/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/648,685

Applicant(s)

JOSEPH ET AL.

Examiner

Abdou Karim Seye

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 26 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>08/26/2003</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This is the initial office action based on the application filed on August 26, 2003.

Claims 1-30 are currently pending and have been considered below.

#### ***Drawings***

2. The drawing is objected to as failing to comply with 37 CFR 1.84(p)(5) because it does not include the following reference sign(s) mentioned in the description: "step 312" as described on fig. 3 of the specification is not shown in figure 3.

Correction is required.

#### ***Claim Objections***

3. Claim 21 is objected to because of the following informalities:

Claim 21 contains an expression "the method comprising " the examiner considers this as typographical error from the applicant.

A correction is required.

#### **Claim Rejections - 35 USC § 112**

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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5. Claims 1 and 6 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for configuring a simple object access protocol (SOAP) message header to include message meta-data and semantics, does not reasonably provide enablement for dynamically associating type information about extensible messages in a service-oriented architecture. The system and method in these claims consist of a single means/step: "configuring a simple object access protocol (SOAP) message header to include message meta-data and semantics", and thus are interpreted as single means/single step claims under MPEP 2164.08(a).

A single means /step claim, i.e., where a means/step recitation does not appear in combination with another recited element of means/step, is subject to an undue breadth rejection under 35 U.S.C. 112, first paragraph. In re Hyatt, 708 F.2d 712, 714-715, 218 USPQ 195, 197 (Fed. Cir. 1983) (A single means claim which covered every conceivable means for achieving the stated purpose was held nonenabling for the scope of the claim because the specification disclosed at most only those means known to the inventor.). When claims depend on a recited property, a fact situation comparable to Hyatt is possible, where the claim covers every conceivable structure (means/step) for achieving the stated property (result) while the specification discloses at most only those known to the inventor.

### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-30 are rejected under 35 U.S.C. 102(b) as being anticipated by **Taylor, et al. (US 20030093551)**.

Claims 1 and 6: Taylor discloses a method and system for dynamically associating type information about extensible messages in a service-oriented architecture, the method comprising:

a. Configuring a simple object access protocol (SOAP) message header to include message meta-data and semantics (abstract; fig. 3, paragraph 133).

Claim 21: Taylor discloses a system for synthesizing and processing dynamically associated meta-data associated with extensible markup language (XML) messages in service-oriented computer architecture comprising:

a. A send side framework (fig. 3/106, paragraph 109); and

b. A receive side framework (fig. 3/108, paragraph 109).

Claims 2 and 7: Taylor discloses a method and system for dynamically associating type information about extensible messages in a service-oriented architecture as in claim 1 and 6 above and further discloses that the said SOAP message header includes an extensible markup language (XML) schema (fig. 3, paragraph 133).

Claims 3 and 8: Taylor discloses a method and system for dynamically associating type information about extensible messages in a service-oriented architecture as in claim 2 and 7 above and further discloses that the said SOAP message header further includes at least one object (fig. 1, paragraph 90).

Claims 4 and 9: Taylor discloses a method and system for dynamically associating type information about extensible messages in a service-oriented architecture as in claim 2 and 7 above and further discloses that the said SOAP message header further includes a resource description framework (RDF) description of the message (fig. 2/100, paragraph 94); also RDF syntax is widely used in XML by grouping multiple statements for the same resource into a description element.

Claims 5 and 10: Taylor discloses a method and system for dynamically associating type information about extensible messages in a service-oriented architecture as in claim 2 and 7 above and further discloses a reference to <any> indicating a content model that allows any element to appear (fig. 3, paragraph 127); also <any> is widely used in XML for allowing any element to appear.

Claim 11: Taylor discloses a method for synthesizing and processing dynamically associated meta-data, the method comprising:

- a. Generating message meta-data (fig. 3, paragraph 110)
- b. Receiving said message (fig. 3, paragraph 129, 130);
- c. Retrieving semantic information and said meta-data (fig. 3, paragraph 129, 130); and

d. Associating said semantic information and said meta-data during processing of the body of said message (fig. 3, paragraph 131,134).

Claims 12 and 22: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 11 and 21 above and further discloses processing meta-data with an implemented SOAP, XML processors (fig. 3, paragraph 133); Validating and mapping the extensible XML messages (fig. 3, paragraph 133, 134).

Claims 13 and 23: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 12 and 22 above and further discloses that the said meta-data processor includes:

- a. Processing XML schemaLocation attribute and namespace information associated with an extended XML message (fig.3, 133, 134);
- b. A resource description framework (RDF) processor for interpreting said semantic information (fig. 3, paragraph 134); and
- c. A processor for managing type system and type mapping information (fig.3, paragraph 132,133,134).

Claims 14 and 24: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 11 and 21 above and further discloses an user/ application programming (API) interfaces (fig. 3/10, paragraph 132).

Claim 15: Taylor discloses a method for synthesizing and processing dynamically associated meta-data as in claim 11 above and further discloses a receiver/server program (fig. 2/12, paragraph 132).

Claims 16 and 26: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 11 and 21 above and further discloses a server (fig. 3/108 paragraph).

Claims 17 and 27: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 11 and 21 above and further discloses a " SOAP " (fig. 3, paragraph 133).

Claims 18 and 28: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 11 and 21 above and further discloses an "XML" processor (fig. 3, paragraph 133).

Claims 19 and 29: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 16 and 26 above and further discloses a uniform resource identifier (URI) specified within SOAP which is inherent and widely used in combination with XML to locate/identify a resource such as server (fig. 3 paragraph 133; fig. 7a,b, paragraph 271).

Claims 20 and 30: Taylor discloses a method and system for synthesizing and processing dynamically associated meta-data as in claims 18 and 28 above and further discloses that the said associating XML processor generates warning messages upon encountering at least one of XML elements and XML attributes that are unspecified by the XML schema; throwing an exception (fig. 7b, paragraph 270,271).

Claim 25: Taylor discloses a system for synthesizing and processing dynamically associated meta-data as in claim 21 above and further discloses a message extension policy (fig.5, paragraph 143).



### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Stark et al (20030233420) discloses a method and a system for content driven electronic messaging.

Turner (20030009572) discloses a method, system and apparatus of providing process data to a client.

Kring et al (20030105825) discloses a method and a system for policy based management of message for mobile data networks.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Exr. Abdou Seye whose telephone number is (571) 270-1062. The examiner can normally be reached Monday through Friday from 7:30 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James W. Myhre whose telephone number is (571) 272-6722. The fax phone number for Formal or Official faxes to Technology Center 3600 is (571) 273-8300. Draft or Informal faxes, which will not be entered in the application, may be submitted directly to the examiner at (571) 273-6722.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group Receptionist whose telephone number is (571) 272-3600.

AKS  
September 6, 2006



James W. Myhre  
Supervisory Patent Examiner

